	1		100	I m/
L Number	Hits	Search Text	DB	Time stamp
1	929	((398/39,67,68,70-72,168,167.5) or	USPAT;	2004/06/23
		(725/124,129) or (370/286)).CCLS.	EPO; JPO;	13:43
	l		DERWENT;	1
3	1139	(379/90.01).ccLs.	<pre>IBM_TDB USPAT;</pre>	2004/06/23
,	1139	(373730.017.0015.	EPO; JPO;	13:44
			DERWENT;	
			IBM_TDB	
4	10	bellsouth.as. and FTTH	USPAT;	2004/06/23
			EPO; JPO;	13:44
			DERWENT; IBM TDB	
2	69	(((398/39,67,68,70-72,168,167.5) or	USPAT;	2004/06/23
		(725/124,129) or (370/286)).CCLS.) and	EPO; JPO;	13:45
		@pd>20031001	DERWENT;	
_			IBM_TDB	0004/06/00
5	0	((379/90.01).CCLS.) and (analog and digital) adj telvision and telephony and	USPAT; EPO; JPO;	2004/06/23 13:46
		multiplex\$4	DERWENT;	13.40
		mar dipient.	IBM TDB	
6	6	((379/90.01).CCLS.) and (analog and	USPAT;	2004/06/23
		digital) adj video and telephony and	EPO; JPO;	13:46
		multiplex\$4	DERWENT;	,
7	92	digital and analog and (video or	IBM_TDB USPAT;	2004/06/23
,		television or tv) and optical adj (mux or	EPO; JPO;	14:39
		multiplexer or multiplexing)	DERWENT;	
			IBM_TDB	
-	13	((725/129).CCLS.) and DBS and CATV	USPAT;	2003/02/20
			EPO; JPO; DERWENT;	12:09
			IBM TDB	
_	7	(((725/129).CCLS.) and DBS and CATV) and	USPAT;	2003/02/19
		telephony	EPO; JPO;	15:02
			DERWENT;	
_	7	((((725/129).CCLS.) and DBS and CATV) and	IBM_TDB USPAT;	2003/02/19
	/	telephony) and multiplex\$4	EPO; JPO;	15:03
		,	DERWENT;	
			IBM_TDB	
-	36	(((:::, :::, :::, :::, :::, :::, ::::, ::::, ::::, :::::, ::::::	USPAT;	2003/02/20
		DBS and CATV	EPO; JPO; DERWENT;	12:10
			IBM TDB	
-	19		USPAT;	2003/02/19
		((((725/129) or (359/125,137)).CCLS.) and	EPO; JPO;	15:07
		DBS and CATV and telephony and	DERWENT;	
_	5	multiplex\$4) marconi.as. and PON	IBM_TDB USPAT;	2003/02/20
]	marconr.as. and for	EPO; JPO;	12:32
			DERWENT;	
	_		IBM_TDB	
-	2	marconi.as. and CATV and DBS and optical	USPAT;	2003/02/19
			EPO; JPO; DERWENT;	15:23
			IBM TDB	
-	216	FTTH	USPAT;	2003/02/20
]		EPO; JPO;	14:24
			DERWENT;	
_	26	FTTH and PON	IBM_TDB USPAT;	2003/02/19
			EPO; JPO;	16:53
			DERWENT;	
	[(#5046067#)	IBM_TDB	
-	2	("5046067").PN.	USPAT;	2003/02/19
			EPO; JPO; DERWENT;	15:28
			IBM TDB	

	18	5046067.URPN.	USPAT	2003/02/19
_	18	3046067.UKPN.	OSEMI	15:28
_	250	video.ti. and pedestal.ti.	USPAT;	2003/02/19
	250	Viaco. cr. and peacestar. cr.	EPO; JPO;	15:39
			DERWENT;	
			IBM TDB	
_	4	video.ti. and pedestal.ti. and rao.in.	USPAT;	2003/02/19
		•	EPO; JPO;	15:39
			DERWENT;	1
			IBM_TDB	1
-	19	FTTH and (satellite or "DBS")	USPAT;	2003/02/19
			EPO; JPO;	16:54
			DERWENT;	
			IBM_TDB	/
-	2	("5479286").PN.	USPAT;	2003/02/20
			EPO; JPO;	13:46
			DERWENT;	
	_		IBM_TDB	0000/00/00
-	9	5479286.URPN.	USPAT	2003/02/20
	_	//705 /100\ ggra \ 1 ppg 1 gymr	******	13:46
_	0	((725/129).CCLS.) and DBS and CATV	USPAT;	2003/02/20
			EPO; JPO; DERWENT;	12:10
			IBM TDB	1
_	0	((725/129).CCLS.) and DBS	USPAT;	2003/02/20
_		((723/129).CCLS.) and DBS	EPO; JPO;	12:10
			DERWENT;	12.10
			IBM TDB	
_	1	(((725/129) or (359/125,137)).CCLS.) and	USPAT;	2003/02/21
	_	DBS	EPO; JPO;	15:15
			DERWENT;	
			IBM TDB	
_	0	(((725/129) or (359/125,137)).CCLS.) and	USPAT;	2003/02/20
		directtv	EPO; JPO;	12:34
	1		DERWENT;	
			IBM_TDB	
-	135	marconi.as. and DBS	USPAT;	2003/02/20
			EPO; JPO;	12:32
			DERWENT;	
			IBM_TDB	
_	1	(() = = , = = , = = , = = , , = = = , , = = = , , = = = ,	USPAT;	2003/02/20
		direct adj satellite	EPO; JPO;	12:36
			DERWENT;	
			IBM_TDB	

1					
	-	9		USPAT;	2003/02/21
("513641") or ("5139421") or ("534945") or ("534945") or ("5526350") or ("553311") or ("552235") or ("5526350") or ("553311") or ("552495") or ("559732130") or ("65073275") or ("559732130") or ("5516121") or ("559732130") or ("5586121") or ("5434163") or ("5419797") or ("5381405") or ("5381405") or ("541405") or ("44076323") or ("4476559") or ("5341463") or ("44076333") or ("4476359") or ("5341474") or ("4408323") or ("4477314") or ("4408323") or ("4477314") or ("5046667") or ("5508753") or ("4476559") or ("5560469") or ("5508753") or ("5504731") or ("5504731") or ("5504731") or ("5504731") or ("5504606") or ("5504731") or ("55046387") or ("5287344") or ("5566239") or ("5660469") or ("5566239") or ("5566239") or ("5660469") or ("5566239") or ("5660469") or ("56					10:11
or ("5349457") or ("5499241") or ("552319") or ("552350") or ("555351") or ("555319") or ("552319") or ("559319") or ("5804415") or ("5995491") or ("5343030") or ("5802375") or ("9522479") or ("542121") or ("544163") or ("543032") or ("6517423") or ("6517423") or ("4408128") or ("546181") or ("4058672") or ("4408327") or ("4408327") or ("4408327") or ("4408327") or ("452048") or ("5341374") or ("452048") or ("5341374") or ("4762188") or ("5430229") or ("4762188") or ("54303229") or ("4762188") or ("54303229") or ("55633229") or ("55633219") or ("55633219") or ("55633810") or ("5783377") or ("55833229") or ("55633810") or ("5783377") or ("5583326") or ("5783377") or ("55835362") or ("5783377") or ("5383310") or ("6573532") or ("57835362") or ("5783377") or ("57835362") or ("57835362") or ("57835362") or ("57835362") or ("57835362") or ("5783637") or ("57845980") or ("5880480") or			or ("4/6331/") or ("4891694") or		
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or ("4408322") or ("4577314") or ("5247347") or ("5247347") or ("5247347") or ("5247347") or ("5247347") or ("5247347") or ("4768188") or ("4740311") or ("5046067") or ("5508565") or ("55046067") or ("5500753") or ("55046067") or ("5500753") or ("55046067") or ("5500753") or ("55046067") or ("55075234") or ("55046087") or ("55075234") or ("55046087") or ("5287344") or ("5566239") or ("6566239") or ("6566239") or ("65555244") or ("5742596") or ("67742596") or ("67742596") or ("67742596") or ("67742596") or ("5594734")).PN.) and (DBS or direct-to-home or direct adj satellite) - 9 5479286.URPN. - 14 FTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium)) - 2 ("5911019" "6295148").PN. - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet - 7 fiber and telephon\$1 and wiltiplex\$4 and (EDFA or Erbium) and (ethernet or internet) and (telephon\$1 and (EDFA or Erbium)) - 7 FTT\$1 and telephon\$1 and (EDFA or Erbium) and (ethernet or internet) and (telephon\$1 and (ethernet or or ATV) - 392 "1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) a			or ("5617423") or ("5463616") or		
("5247347") or ("5381405") or ("501426") or ("4768188") or ("47730311") or ("504606") or ("5500573") or ("55005606") or ("5500573") or ("5560520") or ("55003229") or ("5500353") or ("55603229") or ("5572347") or ("5640387") or ("5267122") or ("5566329") or ("5784377") or ("5566329") or ("5784377") or ("5566329") or ("5784377") or ("5385362") or ("5784377") or ("5385362") or ("5784377") or ("5385362") or ("5784377") or ("5385362") or ("5784378") or ("5784378") or ("5784378") or ("5784378") or ("5784378") or ("57843629") or ("5784378") or ("57843629") or ("5784378") or ("5784386") or ("6784378") or ("5784386") or ("6784378") or ("5784386") or ("6784388") or ("67843888") or ("6784388") or ("67843888") or ("678438888") or ("67843888") or ("678438888") or ("6784388888") or ("6784388888") or ("6784388888") or ("6784388888") or ("67843888888") or ("6784388888") or ("6784388888") or ("67843888888") or ("67843888888") or ("678438888					
or ("4592048") or ("5544164") or ("4768188") or ("4768188") or ("4768188") or ("4768188") or ("4768188") or ("5504560") or ("5500753") or ("5504506") or ("5500753") or ("5500753") or ("5500768") or ("5500753") or ("5500768") or ("5500753") or ("550303229") or ("55233") or ("556239") or ("556239") or ("556239") or ("556239") or ("67742596") or ("46881225") or ("477425") or ("6555234") or ("5594734")).PN.) and (DEB or direct-to-home or direct adj satellite) - 95479286.URPN. - 14 PTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet - 2 ("5911019" "6295148").PN. - 17 Fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet - 302 ("757129).CCLS. - 7 FTT\$1 and telephon\$1 and (EDFA or Erbium) and (ethernet or internet) and (telephon\$1 and (EDFA or Erbium) and (ethernet or or video or CATV) - 392 "1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) and ("1550" adj (nm or nanometers) and ("1500" ERWENT; IBM TDB USPAT; EDERWENT; EDERWEN			or ("4408323") or ("457/314") or		
("4768188") or ("4730311") or ("504606") or ("5500753") or ("55064606") or ("5500753") or ("5469282") or ("5267122") or ("5507347") or ("5469282") or ("5267122") or ("5572347") or ("5469287") or ("4903229") or ("5572347") or ("5566329") or ("5784377") or ("5363623") or ("5784377") or ("5363562") or ("4771425") or ("5576337") or ("5784736") or ("5784736") or ("5784736") or ("5584734") or ("5584734")).RN.) and (DBS or direct-to-home or direct adj satellite) - 95479286.URPN. - 14 FTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium)) - 2 ("5911019" "6295148").PN. - 2 ("5911019" "6295148").PN. - 3 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet - 4 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet - 7 fiber and telephon\$1 and (EDFA or Erbium) - 7 fill and telephon\$1 and (EDFA or Erbium) - 7 fill and telephon\$1 and (EDFA or Erbium) - 7 fill and telephon\$1 and (EDFA or Erbium) - 7 fill and telephon\$1 and (EDFA or Erbium) - 7 fill and telephon\$1 and (EDFA or Erbium) - 7 fill and telephon\$1 and (EDFA or Erbium) - 8 dj (nm or nanometers) - 9 dj (mm or nanometers) - 10 (((725/129) or (359/125,137)).CCLS.) - 11 ((725/129) or (359/125,137)).CCLS.) - 12 ("4,763,317").PN.			("524/34/") or ("5381405") or ("5014266")		
or ("5508558") or ("550460") or ("5507122") or ("550753") or ("5508282") or ("5267122") or ("5500745") or ("5303229") or ("5263081") or ("5303229") or ("5582334") or ("556239") or ("5586239") or ("5263081") or ("4967193") or ("5287344") or ("5586239") or ("4967193") or ("5587347") or ("558734") or ("5595234") or ("559734") or ("5555234") or ("559734") or ("5595234") or ("559733")).PN.) and (DBS or direct-to-home or direct adj satellite) 9 5479286.URPN. - 14 FTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium) and (EDFA or Erbium) and ethernet - 2 ("5911019" "6295148").PN. - 3 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and (EDFA or Erbium) and ethernet and (EDFA or Erbium) and ethernet and (EDFA or Erbium) and (ethernet or internet) and (EDFA or Erbium) and (ethernet or internet) and (television or video or CATV) - 392 "1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) and ("1310" adj (nm or nanometers) and ("1550" JPO; JPO; DERWENT; IBM TDB USPAT; IBM TDB			OF ("4392046") OF (3344164) OF		
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("5572347") or ("6640387") or ("4902322") or ("556238") or ("5784377") or ("556238") or ("578437") or ("5287344") or ("5385362") or ("47867193") or ("478742596") or ("47867193") or ("5742596") or ("5552634") or ("5742596") or ("55526353") or ("5594734")).PN.) and (DBS or direct-to-home or direct adj satellite) 9					
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or ("4987193") or ("4987193") or ("3583180") or ("4987193") or ("4881225") or ("5355362") or ("4731425") or ("5355244") or ("555244") or ("5742596") or ("55524353") or ("5594734")).PN.) and (DBS or direct to-home or direct adj satellite) 9 5479286.URPN. 14 FTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium)) - 2 ("5911019" "6295148").PN. 4 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet - 4 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and (EDFA or Erbium) and (ethernet or internet) and (television or video or CATV) - 7 FTT\$1 and telephon\$1 and (EDFA or Erbium) and (television or video or CATV) - 392 "1310" adj (nm or nanometers) and "1550" adj (nm		1	or ("5263081") or ("5784377") or		
("5355362") or ("4888765") or ("488125") or ("55742596") or ("55526353") or ("55526353") or ("5594734")).PN.) and (DBS or direct-to-home or direct adj satellite) S479286.URPN.	1				
or ("4771425") or ("5555244") or ("5742596") or ("5526353") or ("5594734")).PN.) and (DBS or direct-to-home or direct adj satellite) 5 479286.NEPN. 14 FTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium)) 2 ("5911019" "6295148").PN. 4 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet 5 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet 6 (EDFA or Erbium) and ethernet and internet 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet 7 fiber and telephon\$1 and (EDFA or Erbium) EDFAT; EDG, JPO; DERWENT; IBM TDB USPAT; EDG, JPO; DERWENT; IBM TDB U					
("5742596") or ("5526353") or ("5594734").PN.) and (DBS or direct—to—home or direct adj satellite) S479286.URPN. 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 14:41 EBO; JPO; DERWENT; IBM TDB USPAT 2003/02/20 14:26 2003/08/27 14:26 2003/08/27 14:26 2003/08/27 14:26 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 15:10 2003/08/27 2003/08					
- 9 5479286.URPN. USPAT 2003/02/20 13:47 2003/02/20 13:47 2003/02/20 20 13:47 2003/02/20 20:41:41 2003/02/20 20:41:41 2003/02/20 20:41:41 2003/02/20 20:41:41 20:4					
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- 9 5479286.URPN. - 14 FTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium)) - 2 ("5911019" "6295148").PN. - 3 ("5911019" "6295148").PN. - 4 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and (EDFA or Erbium) - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and (EDFWENT; IBM TDB (EDFWENT; IBM TDB (EDFWENT; IBM TDB (EDFO, JPO); DEFWENT; IBM TDB (EDFWENT; IBM TDB (EDFWENT; IBM TDB (EDFWENT); IBM TDB (EDFO, JPO); DEFWENT); IBM TDB (EDFO, JPO); DEFWENT; EDFO, JPO); DEFWENT; EDFO, JPO; DEFWENT					
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- 14 FTT\$1 and (telephon\$1 and multiplex\$4 and (EDFA or Erbium)) - 2 ("5911019" "6295148").PN. - 3 (FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet - 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet - 7 fiber and telephon\$1 and (EDFA or Erbium) ERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; IBM TDB USPAT; EPO;					1
(EDFA or Erbium) EPG; JPO; DERWENT; IBM TDB USPĀT 2003/02/20 14:26 2003/08/27 17:10 14:26 2003/08/27 17:10 14:26 2003/08/27 17:10 16:28 17:10 16:28	-	14	FTT\$1 and (telephon\$1 and multiplex\$4 and	USPAT;	1
Comparison of the comparison		1		EPO; JPO;	14:41
- 2 ("5911019" "6295148").PN. USPĀT 2003/02/20 14:26 2003/08/27 2003/08/2					
4 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet EPO; JPO; DERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; EPO; JPO; D	i			_	
- 4 FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet	-	2	("5911019" "6295148").PN.	USPAT	1
(EDFA or Erbium) and ethernet FPO, JPO; DERWENT; IBM TDB GEDFA or Erbium) and ethernet and (EDFA or Erbium) and ethernet and internet To fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet To fiber and telephon\$1 and (EDFA or Erbium) DERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; EPO			PPTC1 and tolonbonc1 and multiplace4 and	HCDATT.	1
- 7 fiber and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet (EDFA or Erbium) and ethernet and (EDFA or Erbium) and ethernet and (EDFA) (725/129).CCLS. - 74 (725/129).CCLS. - 75 FTT\$1 and telephon\$1 and (EDFA or Erbium) (EDFA) (EDF, JPO; DERWENT; IBM TDB) (IBM TDB) (-	4			
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Tible and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet and internet EPO; JPO; DERWENT; IBM_TDB USPĀT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; IBM_TDB USPĀT; EPO; JPO; DERWENT; EPO; JPO; D					
CEDFA or Erbium) and ethernet and internet CEPC; JPO; DERWENT; IBM TDB USPAT; EPC; JPO; JPO; DERWENT; IBM TDB USPAT; EPC; JPO; JPO; DERWENT; EPC; JPO; DERWENT;	-	7	fiber and telephon\$1 and multiplex\$4 and		2003/02/20
Internet		<u> </u>			
- 74 (725/129).CCLS. - 75 FTT\$1 and telephon\$1 and (EDFA or Erbium) and (ethernet or internet) and (television or video or CATV) - 392 "1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) and telephon\$1 and data and video) - 2 ("4,763,317").PN. USPĀT; 2003/02/20 EPO; JPO; DERWENT; IBM_TDB USPĀT; EPO; JPO; DERWENT; IBM_TDB USPĀT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; IBM_TDB USPĀT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;			,	DERWENT;	
- 7 FTT\$1 and telephon\$1 and (EDFA or Erbium) and (ethernet or internet) and (television or video or CATV)					
- 7 FTT\$1 and telephon\$1 and (EDFA or Erbium) and (ethernet or internet) and (television or video or CATV) - 392 "1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) and "1550" adj (nm or nanometers) and "1550" and data and video - 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) and (("1310" adj (nm or nanometers) and ("1550" adj (nm or nanometers)) and telephon\$1 and data and video) - 2 ("4,763,317").PN. DERWENT; IBM_TDB USPAT; 2003/02/20 EPO; JPO; DERWENT;	-	74	(725/129).CCLS.		
Total and telephon\$1 and (EDFA or Erbium) IBM_TDB USPAT; EPO; JPO; IS:12 IBM_TDB USPAT; IBM_					14:41
To FTT\$1 and telephon\$1 and (EDFA or Erbium) and (ethernet or internet) and (television or video or CATV) The state of th				· ·	
and (ethernet or internet) and (television or video or CATV) 392 "1310" adj (nm or nanometers) and "1550" USPĀT; EPO; JPO; DERWENT; IBM_TDB 31 ("1310" adj (nm or nanometers) and "1550" USPĀT; EPO; JPO; DERWENT; IBM_TDB 31 ("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 EPO; JPO; DERWENT; IBM_TDB 31 (("725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers)) and (("1310" adj (nm or nanometers)) and telephon\$1 and data and video) 32 ("4,763,317").PN. 392 "1310" adj (nm or nanometers) and "1550" EPO; JPO; DERWENT; IBM_TDB USPĀT; EPO; JPO; DERWENT; IBM_TDB USPĀT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;	1_	-	PTT\$1 and telephon\$1 and (PDP) on Publical		2003/02/20
(television or video or CATV) 392 "1310" adj (nm or nanometers) and "1550" uspAT; 2003/02/20 lefo, JPO; DERWENT; IBM_TDB 31 ("1310" adj (nm or nanometers) and "1550" uspAT; 2003/02/20 lefo, JPO; DERWENT; adj (nm or nanometers) and telephon\$1 uspAT; 2003/02/20 lefo, JPO; and data and video 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and (("1310" adj (nm or nanometers) and telephon\$1 and data and video) 2 ("4,763,317").PN. DERWENT; IBM_TDB USPAT; 2003/02/20 lefo, JPO; JPO; DERWENT; IBM_TDB USPAT; 2003/02/20 lefo, JPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO;	-	1 '			
- 392 "1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) and "1550" EPO; JPO; DERWENT; IBM_TDB - 31 ("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 EPO; JPO; DERWENT; IBM_TDB - 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers) and "1550" adj (nm or nanometers) and "1550" adj (nm or nanometers) and telephon\$1 and data and video) - 2 ("4,763,317").PN. IBM_TDB USPAT; EPO; JPO; DERWENT; IBM_TDB USPAT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;		1			
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DERWENT; IBM_TDB USPAT; adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 and data and video 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 and data and video) ("4,763,317").PN. DERWENT; IBM_TDB USPAT; EPO; JPO; DERWENT; IBM_TDB USPAT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;					4
- 31 ("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 EPO; JPO; and data and video - 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 and data and video) - 2 ("4,763,317").PN. 2 ("4,763,317").PN. 31 ("1310" adj (nm or nanometers) and "1550" DERWENT; IBM_TDB USPAT; EPO; JPO; DERWENT;					
adj (nm or nanometers)) and telephon\$1 and data and video 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 and data and video) - 2 ("4,763,317").PN. EPO; JPO; DERWENT; 16:05 DERWENT; 18M_TDB DERWENT; 16:28 USPAT; 2003/02/20 EPO; JPO; DERWENT; EPO; JPO; DERWENT;					
and data and video OERWENT; IBM_TDB USPAT; 2003/02/20	-	31			
- 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 and data and video) ("4,763,317").PN. - 2 ("4,763,317").PN. IBM_TDB USPAT; DERWENT; IBM_TDB USPAT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;					16:05
- 10 (((725/129) or (359/125,137)).CCLS.) and (("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and telephon\$1 and data and video) ("4,763,317").PN. USPĀT; EPO; JPO; DERWENT; DERWENT;			and data and video		
(("1310" adj (nm or nanometers) and "1550" adj (nm or nanometers)) and DERWENT; telephon\$1 and data and video) ("4,763,317").PN. 2 ("4,763,317").PN. EPO; JPO; DERWENT; EPO; JPO; DERWENT;	_	10	(11725/129) or (359/125 137)) ccts) and		2003/02/20
"1550" adj (nm or nanometers)) and DERWENT; telephon\$1 and data and video) IBM TDB USPAT; 2003/02/20 EPO; JPO; DERWENT;				1	
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- 2 ("4,763,317").PN. USPĀT; 2003/02/20 EPO; JPO; DERWENT;				1	
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- 2	("5351148" "5680238").PN.	USPAT	2003/02/20 16:30
- 61	((("5022755") or ("5579328") or ("5861966") or ("4491983") or ("4686667") or ("4763317") or ("4891694") or ("5136411") or ("5193110") or ("5325223") or ("5349457") or ("5499241") or ("5526350") or ("5553311") or ("5623490") or ("5808767") or ("5804415") or ("5870395") or ("5808644") or ("5995491") or ("5421030") or ("55022755") or ("5579328") or ("5861966") or ("4962497") or ("4534024") or ("5586121") or ("45491797") or ("548163616") or ("5491797") or ("5463616") or ("547423") or ("5463616") or ("4058672") or ("4476559") or ("5341374") or ("4592048") or ("5544164") or ("4768188") or ("4730311") or ("504606") or ("5500753") or ("5604606") or ("5500753") or ("5640387") or ("5267122") or ("556239") or ("5784377") or ("4903292") or ("556239") or ("5784377") or ("5784377") or ("5784377") or ("5784377") or ("5784377") or ("57833180") or ("4967193") or ("4881225") or ("5385362") or ("4888765") or ("4881225") or ("4771425") or ("55555244") or	USPAT; EPO; JPO; DERWENT; IBM_TDB	1 ' '
- 9	("5861966") or ("4491983") or ("4686667") or ("4763317") or ("4891694") or ("5136411") or ("5193110") or ("5325223") or ("5349457") or ("5499241") or ("5526350") or ("5553311") or ("5623490") or ("5808767") or ("5864415") or ("5870395") or ("5880864") or ("5995491") or ("5421030") or ("5022755") or ("5579328") or ("5861966") or ("4962497") or ("4534024") or ("5586121") or ("5491797") or ("5381405") or ("5544163") or ("5617423") or ("4476559") or ("5341374") or ("4058672") or ("4476559") or ("5341374") or ("4768188") or ("4730311") or ("5046067") or ("5500753") or ("5504606") or ("5500753") or ("5504606") or ("5500763") or ("57608665") or ("5784377") or ("5263081") or ("5784377") or ("5263081") or ("5784377") or ("5287344") or ("5383180") or ("4967193") or ("4771425") or ("4888765") or ("4881225") or ("4771425") or ("5555244") or ("4771425") or ("555526353") or	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/02/21 11:56
962	("5594734")).PN.) and CATV and MHz (359/189).CCLS.	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/02/21 11:56
3	((359/189).CCLS.) and Internet and (video or television or CATV)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/02/21 11:57

	0	((("5022755") or ("5579328") or ("5861966") or ("4491983") or ("4686667") or ("4763317") or ("4891694") or ("5136411") or ("51393110") or ("5325223") or ("5349457") or ("5499241") or ("5526350") or ("5553311") or ("5623490") or ("5870395") or ("5880864") or ("5995491") or ("5870395") or ("5861966") or ("4962497") or ("4534024") or ("5586121") or ("45491797") or ("5381405") or ("554163") or ("5617423") or ("5463616") or ("5247347") or ("4476559") or ("5247347") or ("4577314") or ("4768188") or ("5544164") or ("4768188") or ("5504606") or ("5500753") or ("5504606") or ("5500753") or ("5504606") or ("5500753") or ("5504606") or ("5500753") or ("5303229") or ("5267122") or ("5600469") or ("5303229") or	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/02/21 13:03
	0	("5572347") or ("5640387") or ("4903292") or ("5263081") or ("5784377") or ("5566239") or ("5729370") or ("5287344") or ("5383180") or ("4967193") or ("4881225") or ("4771425") or ("5555244") or ("5742596") or ("5526353") or ("5594734")).PN.) and ("33,000" or "33000") with (feet or ft or ft.) (((725/129) or (359/125,137)).CCLS.) and ("33,000" or "33000") with (feet or ft or ft.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/02/21 13:04
	7	((("5022755") or ("5579328") or ("5861966") or ("4491983") or ("4686667") or ("4763317") or ("4891694") or ("5136411") or ("5193110") or ("5325223") or ("5349457") or ("5499241") or ("5526350") or ("5553311") or ("5623490") or ("5808767") or ("5880864") or ("5995491") or ("5870395") or ("5880864") or ("5995491") or ("5421030") or ("5022755") or ("5579328") or ("5861966") or ("4962497") or ("4534024") or ("5586121") or ("45491797") or ("5381405") or ("5544163") or ("5617423") or ("4476559") or ("5341374") or ("4408323") or ("4577314") or ("4768188") or ("4730311") or ("504606") or ("4768188") or ("5504606") or ("5500753") or ("5504606") or ("5500753") or ("5640387") or ("5267122") or ("560866") or ("57469282") or ("5267122") or ("5566239") or ("5729370") or ("4903292") or ("55566239") or ("5729370") or ("4881225") or ("5383180") or ("4967193") or ("4771425") or ("5555244") or ("4771425") or ("5555244") or ("5742596") or ("5556353") or	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/02/21 13:03
-	25	("5594734")).PN.) and (feet or ft or ft.) (((725/129) or (359/125,137)).CCLS.) and (feet or ft or ft.)	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/02/21 13:04
-	5	(US-6427035-\$ or US-5822102-\$ or US-5694234-\$ or US-5940738-\$ or US-5805591-\$).did.	USPAT	2003/02/21 13:21

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-	0	((US-6427035-\$ or US-5822102-\$ or	USPAT;	2003/02/21
		US-5694234-\$ or US-5940738-\$ or	EPO; JPO;	14:45
		US-5805591-\$).did.) and fusion	DERWENT;	
	١	ontigal add mainframe	IBM_TDB USPAT;	2003/02/21
1 -		optical adj mainframe	EPO; JPO;	14:46
			DERWENT;	14.40
			IBM TDB	
	139	optical with mainframe	USPAT;	2003/02/21
	100	opozodz wzon mazniżenia	EPO; JPO;	14:48
			DERWENT;	
			IBM TDB	
i -	5	(optical with mainframe) and transport	.USPAT;	2003/02/21
		with fiber	EPO; JPO;	15:10
			DERWENT;	
			IBM_TDB	
-	34	, , , , , , , , , , , , , , , , , , ,	USPAT;	2003/02/21
	1	Internet and (telephon\$1)	EPO; JPO;	15:16
			DERWENT;	
		////705/100\ -= /250/105 107\\ cats \	IBM_TDB	2002/02/21
-	21	1 , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/02/21 15:38
		Internet and (telephon\$1)) and ATM	EPO; JPO; DERWENT;	13:30
			IBM TDB]
_	ς .	DISC*S	USPAT;	2003/02/21
		D100 0	EPO; JPO;	15:38
			DERWENT;	
			IBM TDB	
_	6	(US-5940738-\$ or US-5805591-\$ or	USPAT	2003/02/22
		US-6427035-\$ or US-5822102-\$ or		13:57
		US-5694234-\$ or US-6498667-\$).did.		
-	66		USPAT	2003/02/22
		("5861966") or ("4491983") or ("4686667")		13:57
		or ("4763317") or ("4891694") or		
		("5136411") or ("5193110") or ("5325223")		
		or ("5349457") or ("5499241") or		
		("5526350") or ("5553311") or ("5623490")		
		or ("5808767") or ("5864415") or ("5870395") or ("5880864") or ("5995491")		
		or ("5421030") or ("5022755") or		1
		("5579328") or ("5861966") or ("4962497")		
		or ("4534024") or ("5586121") or		
		("5491797") or ("5381405") or ("5544163")		
		or ("5617423") or ("5463616") or		
[("4058672") or ("4476559") or ("5341374")		
[i		or ("4408323") or ("4577314") or		
		("5247347") or ("5381405") or ("5014266")		
		or ("4592048") or ("5544164") or		
]		("4768188") or ("4730311") or ("5046067")		
		or ("5608565") or ("5504606") or		
-		("5500753") or ("5469282") or ("5267122")		
		or ("5600469") or ("5303229") or		
		("5572347") or ("5640387") or ("4903292")		
		or ("5263081") or ("5784377") or		
		("5566239") or ("5729370") or ("5287344")		
[or ("5383180") or ("4967193") or ("5355362") or ("4888765") or ("4881225")		
		or ("4771425") or ("488765") or ("4881225")		
		("5742596") or ("5526353") or		
		("5594734")).PN.		
-	1376	ethernet and telephony	USPAT;	2003/02/22
	20.0		EPO; JPO;	16:15
]			DERWENT;	
			IBM TDB	
-	434	ethernet and telephony and packet and	USPAT;	2003/02/22
		priority	EPO; JPO;	16:16
			DERWENT;	
			IBM_TDB	

-	81	(ethernet and telephony and packet and priority) and PCM	USPAT; EPO; JPO; DERWENT;	2003/02/22 16:54
			IBM_TDB	
-	43	((ethernet and telephony and packet and	USPAT;	2003/02/22
		priority) and PCM) and (data or Internet)	EPO; JPO;	16:18
	1	and (fiber)	DERWENT;	
	_		IBM_TDB	0000/10/10
-	50	("4058672" "4408323" "4476559"	USPAT	2003/10/30
		"4534024" "4577314" "4592048"		13:05
		"4730311" "4763317" "4768188"		
		"4771425" "4881225" "4888765"		
		"4903292" "4962497" "4967193"		
		"5014266" "5046067" "5247347"		
		"5263081" "5267122" "5287344" "5263030" "5267122" "5287344"		
!		"5303229" "5325223" "5341374" "5349457" "5355362" "5381405"		
		3349437 3353562 3361403 "5383180" "5463616" "5469282"		
		"5491797" "5500753" "5504606"		
		"5526353" "5544163" "5544164"		
	1	3526333		
		"5586121" "5594734" "5600469"		
		"5608565" "5617423" "5640387"		
		"5729370" "5742596" "5784377"		
		"5991292" "6122255").PN.		
_	20	(("4058672" "4408323" "4476559"	USPAT;	2003/02/22
		"4534024" "4577314" "4592048"	EPO; JPO;	16:55
		"4730311" "4763317" "4768188"	DERWENT;	İ
		"4771425" "4881225" "4888765"	IBM_TDB	
		"4903292" "4962497" "4967193"	_	
		"5014266" "5046067" "5247347"		
		"5263081" "5267122" "5287344"		
		"5303229" "5325223" "5341374"		
		"5349457" "5355362" "5381405"		
		"5383180" "5463616" "5469282"		
		"5491797" "5500753" "5504606"		
		"5526353" "5544163" "5544164"		
		"5555244" "5566239" "5572347"		1
		"5586121" "5594734" "5600469"		
		"5608565" "5617423" "5640387"	1	
		"5729370" "5742596" "5784377" "5991292" "6122255").PN.) and PCM		
_	3	(("4058672" "4408323" "4476559"	USPAT;	2003/02/22
	,	"4534024" "4577314" "4592048"	EPO; JPO;	16:55
		"4730311" "4763317" "4768188"	DERWENT;	1 10.33
		"4771425" "4881225" "4888765"	IBM_TDB	1
		"4903292" "4962497" "4967193"	15155	
		"5014266" "5046067" "5247347"	i	
		"5263081" "5267122" "5287344"		
		"5303229" "5325223" "5341374"]
]		"5349457" "5355362" "5381405"		
		"5383180" "5463616" "5469282"		
		"5491797" "5500753" "5504606"		
	1	"5526353" "5544163" "5544164"		
		"5555244" "5566239" "5572347"		
		"5586121" "5594734" "5600469"		
		"5608565" "5617423" "5640387"		
		"5729370" "5742596" "5784377"]
		"5991292" "6122255").PN.) and PCM and		
	_	ethernet		
-	2	("6427045").PN.	USPAT;	2003/08/27
			EPO; JPO;	12:58
			DERWENT;	
_	175	kimbrough in	IBM_TDB	2002/09/27
] _	175	kimbrough.in.	USPAT;	2003/08/27
			EPO; JPO; DERWENT;	12:59
	[IBM TDB	
	L		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

-	6	kimbrough.in. and echo	USPAT;	2004/06/22
			EPO; JPO;	13:32
		·	DERWENT;	
	2040	, , , , , , , , , , , , , , , , , , , ,	IBM_TDB	2002/00/27
-	2848	echo adj cancellation	USPAT;	2003/08/27
1	1		EPO; JPO; DERWENT;	15:02
			IBM TDB	
_	14	echo adj cancellation and PON	USPAT;	2003/08/27
-	13	echo adj cancellation and row	EPO; JPO;	15:05
			DERWENT;	
			IBM TDB	
-	14	echo adj cancellation and HFC	USPAT;	2003/08/27
			EPO; JPO;	15:07
			DERWENT;	•
			IBM_TDB	
-	0	echo adj cancellation and HNU	USPAT;	2003/08/27
			EPO; JPO;	15:08
			DERWENT;	
	_	ogho add gangellation and own	IBM_TDB USPAT;	2003/09/27
-	0	echo adj cancellation and ONU	EPO; JPO;	2003/08/27 15:09
			DERWENT;	13.09
			IBM TDB	
_	354	echo adj cancellation and optical	USPAT;	2003/08/27
	557	Title and animonal and about an	EPO; JPO;	15:15
			DERWENT;	
			IBM_TDB	
-	79	(725/129).CCLS.	USPAT;	2003/08/27
			EPO; JPO;	17:09
			DERWENT;	
			IBM_TDB	
-	63		USPAT;	2003/10/30
		passive	EPO; JPO;	14:34
			DERWENT;	
_	2	("5479286").PN.	IBM_TDB USPAT;	2003/08/27
-	2	\ J=13400 j.EN.	EPO; JPO;	15:56
			DERWENT;	
			IBM TDB	
-	93	(398/66).ccls.	USPAT;	2003/08/27
			EPO; JPO;	16:48
			DERWENT;	
			IBM_TDB	ļ
-	17	cancellation and ((398/194).CCLS.)	USPAT;	2003/08/27
			EPO; JPO;	16:08
			DERWENT;	
_	46	(398/194).CCLS.	IBM_TDB	2002/09/27
-	46	(390/194).0013.	USPAT; EPO; JPO;	2003/08/27 16:14
			DERWENT;	10.14
			IBM TDB	
-	8	(reflection or echo) adj cancellation and	USPAT;	2003/08/27
		398/\$.ccls.	EPO; JPO;	16:54
			DERWENT;	
			IBM_TDB	
-	67	echo adj cancellation and infrared	USPAT;	2003/08/27
1			EPO; JPO;	16:42
			DERWENT;	
	_	63	IBM_TDB	2002/02/07
-	1	reflection adj cancellation and infrared	USPAT;	2003/08/27
			EPO; JPO;	16:42
			DERWENT; IBM TDB	
_	3	(reflection or echo) adj cancellation and	US-PGPUB	2003/08/27
]	3	398/\$.ccls.	55 FGF0B	16:43
j _	80	(398/195).CCLS.	USPAT;	2003/08/27
			EPO; JPO;	16:50
			DERWENT;	
			IBM_TDB	

_	0	((398/195).CCLS.) and (reflection or noise)	USPAT; EPO; JPO; DERWENT;	2003/08/27 16:53
-	23	(reflection or echo or noise) adj cancellation and 398/\$.ccls.	IBM_TDB USPAT; EPO; JPO; DERWENT;	2003/08/27 16:55
-	21	FTT\$1 and telephon\$1 and multiplex\$4 and (EDFA or Erbium) and ethernet	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/08/27 17:14
-	437	FTTH	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/08/27 17:13
_	92	FTTH and television and telephon\$1	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/08/27 17:14
_	11	5680238.URPN.	IBM_TDB USPAT	2003/08/27
	66	((("4491983") or ("4686667") or ("4763317") or ("4891694") or ("5136411") or ("5193110") or ("5325223") or ("5349457") or ("5499241") or ("5526350") or ("55868767") or ("5808767") or ("5864415") or ("5870395") or ("5880864") or ("5995491") or ("5421030") or ("5022755") or ("5579328") or ("5861966") or ("4962497") or ("4534024") or ("5586121") or ("5491797") or ("5381405") or ("5544163") or ("476559") or ("5341374") or ("4408323") or ("5341374") or ("5381405") or ("5514266") or ("4768188") or ("4730311") or ("5046067") or ("4768188") or ("5608565") or ("5504606") or ("5500753") or ("5600469") or ("5303229") or ("5572347") or ("5600469") or ("5784377") or ("563081") or ("4903292") or ("5729370") or ("5287344") or ("5729370") or ("5287344") or ("5383180") or ("4967193") or ("5355362")	USPAT	17:41 2003/08/27 17:51
	0	or ("4888765") or ("4881225") or ("4771425") or ("5555244") or ("5742596") or ("5526353") or ("5594734")).PN.) (((725/129) or (359/125,137)).CCLS.) and (analog and digital) adj telvision and telephony and multiplex\$4	USPAT; EPO; JPO; DERWENT;	2004/06/23 13:46
-	7	(((725/129) or (359/125,137)).CCLS.) and DBS and CATV and telephony and multiplex\$4	IBM_TDB USPAT; EPO; JPO; DERWENT; IBM TDB	2003/10/30 11:05
-	327	(398/39,67,68,70-72,168,167.5).CCLS.	USPAT; EPO; JPO; DERWENT; IBM TDB	2004/06/23 13:43.
-	28	((398/39,67,68,70-72,168,167.5).CCLS.) and television same (analog and (digital or MPEG\$2)) and (data or internet or telephon\$2)	USPAT; EPO; JPO; DERWENT; IBM TDB	2003/10/30 14:19
-	39	5202780.URPN.	USPAT	2003/10/30 12:20

"4534024" "4577514" "4592048" "4771425" "4881225" "486182" "4771425" "4881225" "486182" "490322" "490322" "4962497" "4967193" "5014266" "5014266" "52473473" "5247347347 "5247347347 "5247347347 "5247347347 "5247347347 "5247347347 "5247347347					
#4730311" "4763317" "4768188" #471425" "4881225" "4888765" #4903292" "4962497" "4967193" "504266" "5046667" "5247347" "5263081" "5267122" "5287344" "5349457" "5263081" "5267122" "5287344" "5349457" "5359452 "536322" "5341374" "5349457" "5359452 "5364066" "526353" "5544164" "5566239" "572347" "5586121" "5586239" "5572347" "5586121" "5586239" "572347" "5586121" "55861271" "55860469" "5526353" "5544164" "55600469" "5526353" "5544164" "55600469" "5729370" "5742596" "5784377" "5991292" "412255") P.N. and echo with cancellation and optical with passive - 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation - 0 ((398/39,67,68,70-72,168,167.5).CCLS.) - 0 ((398/39,67,68,70-	-	8	("4058672" "4408323" "4476559"	USPAT	2003/10/30
"4771425" "4881225" "488765" "4903292" "4962497" "4967139" "5014266" "5046067" "5247347" "5263081" "5267122" "5277344" "5303229" "49525222" "5341374" "5303128" "535222" "5341374" "5383180" "5463161 "5469282" "5383180" "5463161 "5469282" "5555244" "556239" "5572347" "5585244" "5566239" "5572347" "5585244" "5566239" "5572347" "55932970" "5742596" "5784377" "5991292" "612255" P.N. and echo ((1398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation 2 ("4701935" "4995104").PN. 2 ("4701935" "4995104").PN. 2 ("4701935" "4995104").PN. 3 (echo adj cancellation and optical with passive 40 echo adj cancellation and optical with passive 66 echo adj cancellation and optical with passive 67 68 echo adj cancellation and optical and passive 7 803 (370/286-292).CCLS.) 8 8 ((370/286-292).CCLS.) 9 ((370/286-292).CCLS.) 10 10 10 10 10 11 10 10			"4534024" "4577314" "4592048"		13:06
"4903292" "4962497" "4967193" "5042666" "5227347" "5263081" "5267122" "5227344" "5303229" "5325232" "5341374" "5349457" "5353362" "5381374" "5349457" "5353362" "5381374" "538180" "5460361 "5540322" "5526333" "554164" "5572347" "5586121" "5594734" "5600369" "5586121" "5594734" "5600369" "5729370" "5742596" "5784377" "579370" "5742596" "5784377" "5991292" "617423" "560387" "579370" "5742596" "5784377" "5991292" "617423" "560387" "5792370" "5742596" "5784377" "5991292" "617423" "560387" "5792370" "5742596" "5784377" "5991292" "617423" "560387" "5792370" "5742596" "5784377" "5991292" "617423" "560387" "5792370" "5742596" "5784377" "5991292" "617423" "560387" "5792370" "5742596" "5784377" "5991292" "617423" "560387" "5991292" "617423" "560387" "617235 "60037070 "617235 "60037070 "617235 "60037070 "617236			1		
"5014266" "5046067" "5247347" "526081" "5267122" "53474" "5303229" "5325223" "534105" "5349457" "553562" "534105" "5349457" "553562" "5546366" "5469282" "5526353" "5546366" "5469282" "5526353" "5546366" "5469282" "5526353" "5546366" "5469282" "5526353" "5546366" "564036" "5526353" "5546262" "5600469" "5608565" "5617423" "5600469" "5991292" "6122255").EN. and echo (398/39,67,68,70-72,168,167.5).CCLS.) and echo with cancellation - 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation - 2 ("4701935" "4995104").EN 2 ("4701935" "4995104").EN 2 ("4701935" "4995104").EN 3 (30/286-292).CCLS.) - 66 echo adj cancellation and optical with passive - 40 echo adj cancellation and optical and passive - 40 echo adj cancellation and optical and passive - 40 echo adj cancellation and optical and passive - 40 echo adj cancellation and optical and passive - 40 ((370/286-292).CCLS.) and inject\$3) and optical - 473 ((370/286-292).CCLS.) and inject\$3) and optical - 473 ((370/286-292).CCLS.) and inject\$3 - 473 ((370/286-292).CCLS.) and echo with (cancellation or suppression) - 36 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) and inject\$3 - 9 ("5543951" "5684841" "5796795" "5787374" "6011637" "8286633" "6038226" "6044122" "6262997").EN 10 (725/124).CCLS.) - 10 (725/124).CCLS.)			· · · · · · · · · · · · · · · · · · ·		
"\$263081" "\$267122" "\$287344" "\$349457" "\$352522" "\$341374" "\$349457" "\$355362" "\$381105" "\$491797" "\$500753" "\$504066" "\$552413" "\$5463616" "\$554164" "\$552413" "\$544163" "\$554164" "\$552413" "\$554163" "\$554164" "\$552413" "\$554163" "\$554164" "\$552413" "\$554163" "\$554164" "\$552413" "\$554163" "\$554164" "\$552413" "\$5640387" "\$729370" "\$742596" "\$784377" "\$991222" "6122255" \$7860387" "\$991222" "6122255" \$7860387" "\$991222" "6122255" \$7860387" "\$991222" "6122255" \$7860387" "\$991221" "6122255" \$7860387" "\$991221" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "6122255" \$7860387" "\$991322" "612235" "612235" "\$991322" "612235" "612235" "\$991322" "612235" "612235" "\$991322" "612235" "612235" "\$991322" "612235" "612235" "\$991322" "612235" "612235" "612235" "\$991322" "612235" "612235" "612235" "\$991323 "61235" "612235" "612235" "612235" "\$991323 "61235" "612235" "61					
"5303229" "5325222" "534105" "5349457" "5555362" "549222" "54931160" "5463616" "5469282" "5491797" "5500753" "5504060" "5526353" "5544163" "5504060" "5526353" "5544163" "5544164" "5586121" "5594734" "5600469" "586121" "5594734" "5600469" "592122" "617423" "5600469" "592122" "617423" "5600469" "592122" "617423" "5600469" "592122" "6122255"), Ph. and echo ((398/39,67,68,70-72,168,167.5), CCLS.) and echo with cancellation - 0 ((398/39,67,68,70-72,168,167.5), CCLS.) and echo same cancellation - 0 ((398/39,67,68,70-72,168,167.5), CCLS.) and echo same cancellation - 0 ((398/39,67,68,70-72,168,167.5), CCLS.) and echo same cancellation - 0 ((398/39,67,68,70-72,168,167.5), CCLS.) and echo same cancellation - 0 ((398/39,67,68,70-72,168,167.5), CCLS.) and echo same cancellation - 0 ((398/39,67,68,70-72,168,167.5), CCLS.) and echo same cancellation - 10 echo adj cancellation and optical with passive - 2 ("4701935" "4995104"), PN 10 echo adj cancellation and optical with passive - 2 ("4701935" "4995104"), PN 10 echo adj cancellation and optical and passive - 2 ("4701935" "4995104"), PN 2 ("4701935"					
"5349457" "5355362" "538105" "5381800" "5463616" "4569282" "5491979" "5500753" "5504060" "5552333" "554163" "554260" "5555244" "5566239" "557247" "5565233" "554163" "5541646" "5555244" "5566239" "557247" "5608565" "56174231 "5600469" "6608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8608565" "56174231 "5600469" "8971722" "611722355" "8971721 "8971721 "8971722" "611722355" "8971721 "8971721 "8971722" "611722355" "8971721 "8971721 "8971722" "611722355" "8971721 "8971721 "8971722" "611722355" "89717221 "89717221 "8971722" "611722355" "89717221 "89717221 "89717221 "611722355" "89717221 "8971721			_ ,		
"5383180" "5463616" "946282"			· · · · · · · · · · · · · · · · · · ·	1	
## ## ## ## ## ## ## ## ## ## ## ## ##			, , , , , , , , , , , , , , , , , , , ,		
"5526352" "5544164" "557237" "5562397" "5562397" "5562397" "5562397" "5562397" "5562397" "5562397" "560397" "5742596" "5742397" "5991292" "6122255" Na and echo (1398/39,67,68,70-72,168,167.5).CCLS.) and echo with cancellation			, , , , , , , , , , , , , , , , , , , ,		
"5555244" "556239" "5570247" "556121" "5594734" "5608565" "5594734" "5608565" "5617423" "5702370" "5792370" "5742596" "5782370" "5792370" "5742596" "5782370" "5991292" "6122255").FN. and echo 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo with cancellation 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation 10 ((398/39,67,68,70-72,168,167.5).CCLS.) 2 ("4701935" "4995104").FN. 10 echo adj cancellation and optical with passive 11 echo adj cancellation and optical with passive 12 ("4701935" "4995104").FN. 13 (370/286-292).CCLS.) 2 ("370/286-292).CCLS.) and inject\$3 and optical and optical with optical and optical with passive 14 ((370/286-292).CCLS.) and inject\$3 and optical and optical with optical with optical with passive 15 ((370/286-292).CCLS.) and inject\$3 and optical with optical with optical with passive 16 ((370/286-292).CCLS.) and echo with (cancellation or suppression) and formal with optical with optical with cancellation or suppression) 17 ((370/286-292).CCLS.) and echo with (cancellation or suppression) and inject\$3 ((370/286-292).CCLS.) and echo with (cancellation or suppression) and inject\$3 ((370/286-292).CCLS.) and echo with (cancellation or suppression) and inject\$3 ((370/286-292).CCLS.) and echo with (cancellation or suppression)) and passive with optical with optical with optical with passive			l · · · · · · · · · · · · · · · · · · ·		
"5586121" "5594734" "5600469" "5729370" "5742596" "5764737" "5991929" "612255" "5640387" "5991929" "612255" "5640387" "5991929" "612255" N. and echo					
"5608565" "5617423" "5640387" "5991292" "6122255").PN. and echo 0 (398/39,67,68,70-72,168,167.5).CCLS.) and echo with cancellation - 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation - 10 (1987) 1990			, ,		
"5729370" "5742596" "5784377" "5991292" "6122255" N.N. and echo ((398/39,67,68,70-72,168,167.5).CCLS.) and echo with cancellation 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation 1 (198			"5608565" "5617423" "5640387"		
0					
and echo with cancellation					
- 0 ((398/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation 8 398/\$.ccls. and echo same cancellation - 8 398/\$.ccls. and echo same cancellation - 2 ("4701935" "4995104").PN 2 ("4701935" "4995104").PN 10 echo adj cancellation and optical with passive - 40 echo adj cancellation and optical with passive - 40 echo adj cancellation and optical and passive - 66 echo adj cancellation and optical and passive - 66 echo adj cancellation and optical and passive - 803 (370/286-292).CCLS 3 ((370/286-292).CCLS.) and inject\$3) and optical - 44 ((370/286-292).CCLS.) and inject\$3 and optical - (370/286-292).CCLS.) and inject\$3 - (370/286-292).CCLS.) and echo with (cancellation or suppression) - (75543951" "5684841" "5796795" EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	-	0	((398/39,67,68,70-72,168,167.5).CCLS.)	USPAT;	2003/10/30
Comparison			and echo with cancellation	EPO; JPO;	14:20
- 0 ((338/39,67,68,70-72,168,167.5).CCLS.) and echo same cancellation EPO; JPO; DERWENT; ISM TDB USPAT; EPO; JPO; DERWENT; ISM TDB USPAT				· ·	
and echo same cancellation 8 398/\$.ccls. and echo same cancellation 2 ("4701935" "4995104").PN. 2 ("4701935" "4995104").PN. 10 echo adj cancellation and optical with passive 40 echo adj cancellation and siemens.as. 40 echo adj cancellation and siemens.as. 40 echo adj cancellation and optical with IBM TDB 40 echo adj cancellation and optical and passive 40 echo adj cancellation and optical with passive 40 echo adj cancellation passive 40 echo adj cancellation pas		_			0000 (00 (00
- 8 398/\$.ccls. and echo same cancellation	-	0		-	1
Solution			and echo same cancellation		14:20
S 398/\$.ccls. and echo same cancellation USPĀT; 2003/10/30 14:20 18:10 14:20 15:28 14:20 15:28 15:28 15:28 15:28 15:28 15:28 15:29 15:28 15:28 15:28 15:28 15:28 15:28 15:28 15:29 15:28 15:28 15:28 15:28 15:29 16:10 1				1	
PEPO; JPO; DERWENT; IBM_TDB 14:20 14:20 14:20 15:25 15:28 14:33			200/0	_	2002/10/20
- 2 ("4701935" "4995104").PN.	-	8	390/9.CCIS. and echo same cancellation		1
Comparison of the comparison		1		1	14.20
- 2 ("4701935" "4995104").PN. USPĀT 2003/10/30 14:33 2003/10/30 14:33 2003/10/30 15:28 2003/10/30 15:28 2003/10/30 15:28 2003/10/30 200					
10 echo adj cancellation and optical with passive Comparison C	l _	2	("4701935" "4995104") PN		2003/10/30
- 10 echo adj cancellation and optical with passive				351111	1 '
- 40 echo adj cancellation and siemens.as.	-	10	echo adi cancellation and optical with	USPAT;	
- 40 echo adj cancellation and siemens.as. - 66 echo adj cancellation and optical and passive - 803 (370/286-292).CCLS. - 3 (((370/286-292).CCLS.) and inject\$3) and optical - 44 ((370/286-292).CCLS.) and inject\$3 and optical - 473 (((370/286-292).CCLS.) and inject\$3 - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression)) - 473 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 474				1	
- 40 echo adj cancellation and siemens.as. - 66 echo adj cancellation and optical and passive - 66 echo adj cancellation and optical and passive - 803 (370/286-292).CCLS. - 3 (((370/286-292).CCLS.) and inject\$3) and optical - 44 ((370/286-292).CCLS.) and inject\$3 and optical - 47 ((370/286-292).CCLS.) and inject\$3 - 47 ((370/286-292).CCLS.) and echo with (cancellation or suppression) - 47 ((370/286-292).CCLS.) and echo with (cancellation or suppression) - 47 ((370/286-292).CCLS.) and echo with (cancellation or suppression) - 50 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 7 ((370/286-292).CCLS.) and echo with (cancellation or suppression) - 8 (((370/286-292).CCLS.) and echo with (cancellation or suppression) - 9 ("5543951" "5684841" "5796795" EPO; JPO; DERWENT; IBM TDB (USPAT; EPO; JPO; DERWENT; IBM TDB (USPAT; EPO; JPO; DERWENT; IBM TDB (USPAT; EPO; JPO; DERWENT;			•	1 '	
- 40 echo adj cancellation and siemens.as. USPAT; EPO; JPO; DERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; EP		1		1	
- 66 echo adj cancellation and optical and passive EPO; JPO; DERWENT; IBM TDB LSPAT; EPO; JPO; DERWENT; ISPAT; EPO; JPO; JPO; DERWENT; ISPAT; EPO; JPO; JPO; DERWENT; ISPAT; EPO; JPO; JPO; JPO; JPO; JPO; JPO;	-	40	echo adj cancellation and siemens.as.	· -	2003/10/30
- 66 echo adj cancellation and optical and passive IBM_TDB USPAT; EPO; JPO; DERWENT; IBM_TDB USP				EPO; JPO;	15:25
- 66 echo adj cancellation and optical and passive SPO; JPO; DERWENT; IBM_TDB USPAT; EPO; JPO; DER				1	
Passive				_	
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- 803 (370/286-292).CCLS. IBM_TDB USPAT; EPO; JPO; DERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; IBM_TDB USPAT EPO; JPO; DERWENT; IBM_TDB USPAT; EPO; JPO; DERWENT; IB	1		passive		18:10
- 803 (370/286-292).CCLS. USPĀT; EPO; JPO; DERWENT; IBM TDB USPĀT; EPO; JPO; JPO; DERWENT; IBM TDB USPĀT; EPO; JPO; DERWENT; IBM TDB USPĀT; EPO; JPO; DERWENT; IBM TDB USPĀT USPĀT USPĀT USPĀT USPĀT; EPO; JPO; DERWENT; IBM TDB USPĀT USPĀT; EPO; JPO; DERWENT; IBM TDB USPĀT USPĀT USPĀT; EPO; JPO; DERWENT;	1			1	
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- 3 (((370/286-292).CCLS.) and inject\$3) and optical DERWENT; IBM TDB USPAT; 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPAT; 2003/10/30 (cancellation or suppression) EPO; JPO; DERWENT; IBM TDB USPAT; 2003/10/30 (cancellation or suppression) EPO; JPO; DERWENT; IBM TDB USPAT; 2003/10/30 (cancellation or suppression)) and EPO; JPO; DERWENT; IBM TDB USPAT; 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPAT; IBM TDB USPAT 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPAT 2003/10/30 I8:18 USPAT 2003/10/30 I8:18 USPAT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;	-	803	(3/0/200-232).ССЦЗ.		1
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- 3 (((370/286-292).CCLS.) and inject\$3) and optical USPĀT; EPO; JPO; DERWENT; IBM TDB USPĀT; 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPĀT; EPO; JPO; DERWENT; IBM TDB USPĀT; 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPĀT; 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPĀT; 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPĀT 2003/10/30 EPO; JPO; DERWENT; IBM TDB USPĀT 2003/10/30 I8:18 USPĀT 2003/10/30 I8:18 USPĀT 2003/10/30 I8:18 USPĀT 2003/10/30 I8:18 USPĀT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT;					
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-	22	kimbrough.in. and marconi.as.	USPAT;	2004/06/22
	j		EPO; JPO;	17:01
			DERWENT;	
			IBM TDB	